

Converting Colors

XYZ(86.3867, 94.1144, 70.7409)

Have a look what the booklet for
XYZ(86.3867, 94.1144, 70.7409)
contains.

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Color

**XYZ(86.3247, 93.9908,
70.7190)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFACC
RGB	255, 250, 204
RGB Percent	100%, 98%, 80%
CMY	0.0000, 0.0196, 0.2000
CMYK	0.00, 0.02, 0.20, 0.00
HSL	54°, 100%, 90%
HSV	54°, 20%, 100%
XYZ	86.3247, 93.9908, 70.7190
YIQ	246.2510, 17.7460, -13.2460

Conversions

Conversions Part 2

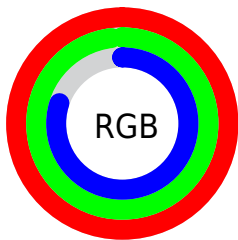
Format	Color
R _Y B	210, 255, 204
Decimal	16775884
CIE Lab	97.63, -5.57, 22.71
CIE LCh	98, 23.380, 103.770
Yxy	93.9908, 0.3439, 0.3744
Android (android.graphics.Color)	4294965964 (0xFFFFFACC)
YUV	246.2510, -20.8297, 7.6729
Hunter-Lab	96.9489, -10.7214, 24.6153

Details

The XYZ color **86.3247, 93.9908, 70.7190** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.7519, 65.6566, 103.8152**, and the grayscale version is **87.9557, 92.5362, 100.7720**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.0855, 52.7913, 36.5095** is the 20% darker color. If you saturate the color by 10%, you get **82.7431, 91.3280, 55.6513**, and if you desaturate by 10%, it is **90.4217, 96.8825, 88.4313**.

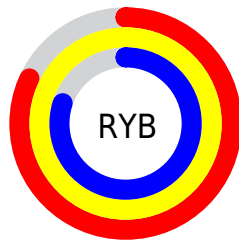
Distribution



Red (100%)

Green (98%)

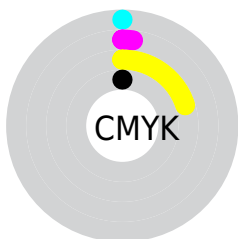
Blue (80%)



Red (82%)

Yellow (100%)

Blue (80%)

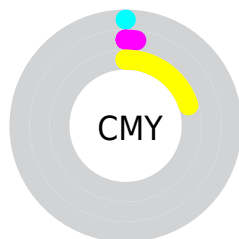


Cyan (0%)

Magenta (2%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.3247, 93.9908, 70.7190 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 86.3247, 93.9908, 70.7190 by changing the saturation by 10% instead.


 86.3247, 93.9908,
70.7190

 86.3247, 93.9908,
70.7190


504.4192,
540.9291, 481.9277

 65.2627, 71.2953,
51.6325


141.1270,
152.8696, 121.9242

 47.9396, 52.5832,
36.3320


175.5980,
189.8217, 154.8801

 33.9901, 37.4702,
24.3990


215.2694,
232.2948, 193.2961

 23.0489, 25.5717,
15.4149

260.5065,
280.6733, 237.5908

 14.7505, 16.5035,
8.9613

311.6746,
335.3416, 288.1828

 8.7296, 9.8812,
4.6195

369.1392,

 4.6209, 5.3202,

396.6841, 345.4905

1.9710

433.2656,
465.0851, 409.9327

■ 2.0591, 2.4364,
0.5373

■ 0.6668, 0.8445,
0.0000

■ 86.3247, 93.9908,
70.7190

■ 86.3247, 93.9908,
70.7190

■ 82.7431, 91.3280,
55.6513

■ 90.4217, 96.8825,
88.4313

■ 79.6461, 88.8722,
43.0942

95.0500, 100.0000,
108.9000

■ 77.0093, 86.6169,
32.9106

■ 74.8039, 84.5503,
24.9482

■ 72.9974, 82.6596,
19.0369

■ 71.5529, 80.9297,
14.9820

■ 70.4263, 79.3430,
12.5512

■ 69.5453, 77.8706,
11.3652

■ 69.5452, 77.8705,
11.3651

Harmonies

Analogous

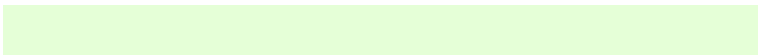
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.9590, 93.9908, 71.0376



86.3247, 93.9908, 70.7190



80.7744, 93.9908, 78.0965

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.3247, 93.9908, 70.7190



80.4118, 93.9908, 129.8361



102.1907, 93.9908, 112.9258

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



86.3247, 93.9908, 70.7190



65.7519, 65.6566, 103.8152

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.4810, 93.9908, 131.1437



86.3247, 93.9908, 70.7190



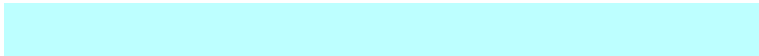
85.8073, 93.9908, 141.7043

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.3247, 93.9908, 70.7190



77.4769, 93.9908, 111.3113



92.4154, 93.9908, 142.2106



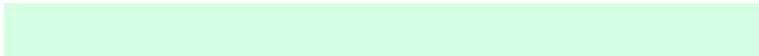
102.3462, 93.9908, 93.8642

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.3247, 93.9908, 70.7190



78.3437, 93.9908, 86.9855



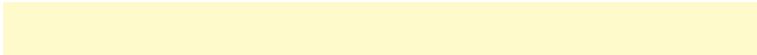
92.4154, 93.9908, 142.2106



101.3100, 93.9908, 119.4028

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



86.3269, 93.9948, 70.7210



92.2075, 98.1013, 96.2802



74.3546, 69.0552, 69.7979



19.6725, 20.9546, 20.3270



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3269, 93.9948, 70.7210



84.8331, 92.9019, 64.3819



80.7886, 93.4740, 70.9124



19.4003, 20.7687, 19.1306



36.4010, 40.8132, 5.9592



3.5865, 4.0583, 0.5943

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



65.7519, 65.6566, 103.8152



60.8531, 59.8755, 102.9576



70.5084, 66.3182, 103.6922



17.1461, 17.6637, 22.7557



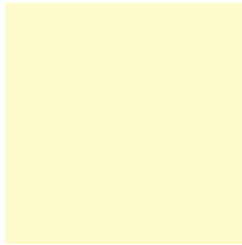
9.6598, 4.2292, 49.7418



0.9861, 0.5028, 4.8584

Previews

White Background



This preview shows how the XYZ color 86.3247, 93.9908, 70.7190 looks on a white background.

Color Contrast Check

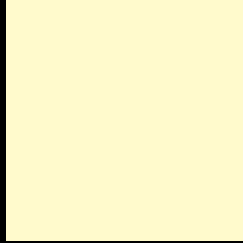
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 86.3247, 93.9908, 70.7190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

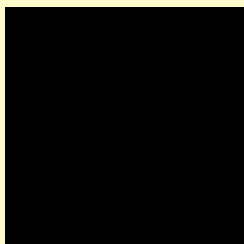
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.3247, 93.9908, 70.7190

Background



This preview shows how black text looks on a background with the XYZ color 86.3247, 93.9908, 70.7190.



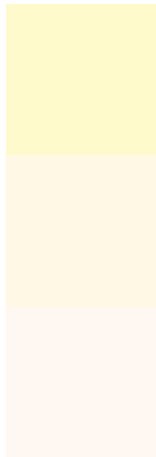
This preview shows how white text looks on a background with the XYZ color 86.3247, 93.9908,

70.7190.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

86.3247, 93.9908, 70.7190

Protanopia

88.9503, 94.0519, 87.5944

Deuteranopia

90.5278, 94.1923, 97.4140



Tritanopia

91.7818, 93.7206, 107.0184

Trichromacy



Original Color

86.3247, 93.9908, 70.7190

Protanomaly

88.0339, 94.1787, 81.2486

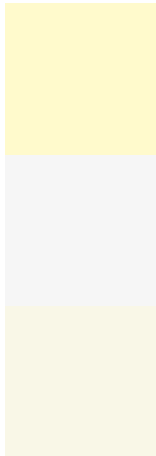
Deuteranomaly

88.8110, 93.9962, 86.8610

Tritanomaly

89.6411, 93.8377, 92.7448

Monochromacy



Original Color

86.3247, 93.9908, 70.7190

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.7515, 92.4308, 88.8699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.3247, 93.9908, 70.7190 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 250, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 204)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 250, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 204) }
```

Border

The CSS property to change the border of an element to XYZ 86.3247, 93.9908, 70.7190 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 250, 204) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 250, 204) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 250, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 86.3247, 93.9908, 70.7190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 204) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
250, 204) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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